**Dr Vikas D. Dighe, Scientist ‘E’**

**Publications:**

**Toxicology**

1. Maske P, **Dighe V**, Vanage G. (2018) n-butylparaben exposure during perinatal period impairs fertility of the F1 generation female rats. Chemosphere. 213:114-123
2. Vijaykumar T, SinghD, Dhumal RV, Vanage GR, **Dighe VD (2017).** Bisphenol A Induced Ultrastructural Changes in Common Marmoset (Callithrix jacchus) Testes. IJMR 146(1): 126–137.**(IF:** **1.508) Corresponding Author**
3. Vijaykumar T,Gondhalekar, SC. Metkari SM , **Dighe VD (2018)** Hematological and biochemical values of Common Marmoset (Callithrix jacchus) fed with fortified diet. Journal of Laboratory Animal Science( Accepted for Publication): **Corresponding Author.**
4. Singh D, Bhagat S, Raijiwala P, **Dighe V**, Vanage G.**(2017)** Perinatal exposure of pregnant rats to cypermethrin delays testicular descent, impairs fertility in F1 male progeny leading to developmental defects in F2 generation. Chemosphere.185:376-385. **(IF: 4.427) citation:02**
5. PC Badgujar, NA Selkar, GA Chandratre , NN Pawar , **VD Dighe** , ST Bhagat , AG Telang and GR Vanage (**2017).** Fipronil-induced genotoxicity and DNA damage in vivo: Protective effect of vitamin E. Human and Experimental Toxicology. 36 (5), 508-519 **(IF: 1.84) citation:05**
6. Dhumal R, Vijaykumar T, **Dighe V**, Selkar N, Chawda M, Vahlia M, Vanage.G **(2013).** Efficacy and Safety of a Herbo-mineral Ayurvedic formulation ‘Afrodet Plus®’ in male rats J. Ayurveda & Integrative Medicine. 4(3):158-64. **(IF: 0.83) citation:05**
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**Stem cell Research**

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2. Sparman M, **Dighe V**, Sritanaudomchai H, Ma H, Ramsey C, Pedersen D, Clepper L, Nighot P, Wolf D, Hennebold J, and Mitalipov S. Epigenetic Reprogramming by Somatic Cell Nuclear Transfer in Primates. Stem Cells. 2009; 27(6):1255-1264 **Impact factor: 7.182**
3. **Dighe V**, Clepper L, Pedersen D, Byrne J, Ferguson B, Gokhale S, Penedo MC, Wolf D, and Mitalipov S. Heterozygous embryonic stem cell lines derived from nonhuman primate parthenotes Stem Cells.2008 ; 26(3):756-66 **Impact factor: 7.182**

**Collaborative projects**

1. Ghumatkar PJ, Patil SP, Peshattiwar V, Vijaykumar T, **Dighe V**, Vanage G, Sathaye S.**(2018).** [The modulatory role of phloretin in Aβ25-35 induced sporadic Alzheimer's disease in rat model.](https://www.ncbi.nlm.nih.gov/pubmed/30488341) Naunyn Schmiedebergs Arch Pharmacol. 2018 Nov 28. doi: 10.1007/s00210-018-1588-z. [Epub ahead of print].
2. Bachhav SS, **Dighe VD**, Kotak D, Devarajan PV **(2017).** Rifampicin Lipid-Polymer hybrid nanoparticles (LIPOMER) for enhanced Peyer's patch uptake. Int J Pharm. ;532(1):612-622.**(IF: 3.649) citation:01**
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**Nano technology/Targeted Drug delivery ( Ph.D work)**

1. Belwal K, Thakuria D, **Dighe V**, Pande V, Pande A**.(2016)** Molecular Cloning and Expression Profile of Toll-Like Receptor 3 from an Indian Coldwater Fish, Schizothorax richardsonii(Gray). Anim Biotechnol. 13:1-4 (IF: 0.750)
2. **Vikas D. Dighe,** Arvind Kumar Singh, Dimpal Thakuria and Satish Kumar **(2014).**Conformational Changes in Testis Specific Homing Peptide in Polar and Apolar Environment: Journal of Pure and Applied Microbiology. 8(5): 4171-4176
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**Veterinary Sciences/collaborative projects**

1. Prabagaran E, Bandivdekar AH,**Dighe V**, Raghavan VP (2007). HOXBES2: A Novel Epididymal HOXB2 Homeoprotein and Its Domain-Specific Association with Spermatozoa.**Biology of Reproduction. 76 (2):314-26. Impact factor 3.451**
2. Dechamma HJ, **Dighe V**, Kumar CA, Singh RP, Jagadish M, Kumar S (2006). Identification of T-helper and linear B epitope in the hypervariable region of nucleocapsid protein of PPRV and its use in the development of specific antibodies to detect viral antigen. **Veterinary Microbiology. 118 (3-4): 201-11**. **Impact factor: 2.726**
3. Madhuvanti V.M., Yogesh P.G., Dighe V., Rajendra D.K. , Anilkumar S.B. **(2010)** Molecular detection of meat animal species targeting MT 12S rRNA gene Meat Science 88(1):23-7 **Impact factor: 2.901 Citations: 9**
4. Aher AS., Londhe SP., Bannalikar AS., Mhase PP and **Dighe VD**. (2011) Indian Journal of Comparative Microbiology, Immunology and infectious diseases: 32 (1-2) : 36-40
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11. Ambade, R. B., Dalvi, S. H., Gatne, M. M., **Dighe, V. D.,** Doiphode, A.Y., and Ramteke, B. N **(2018).**Stress enzyme Levels during different seasons in Pandharpuri Buffalo. THE INDIAN JOURNAL OF VETERINARY SCIENCES AND BIOTECHNOLOGY ( Accepted)
12. V.D. Dighe, Y.P. Grover and R. Pandey (2003). Epidemiological studies on bovine rotavirus in neonatal diarrhoeic calves at organized dairy farms in Haryana and adjoining areas using RNA-PAGE during the year 1997-2000 Indian Journal Animal Sciences 73 (6): 623-626. (Impact Factor: 0.116)
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